

FIG.1

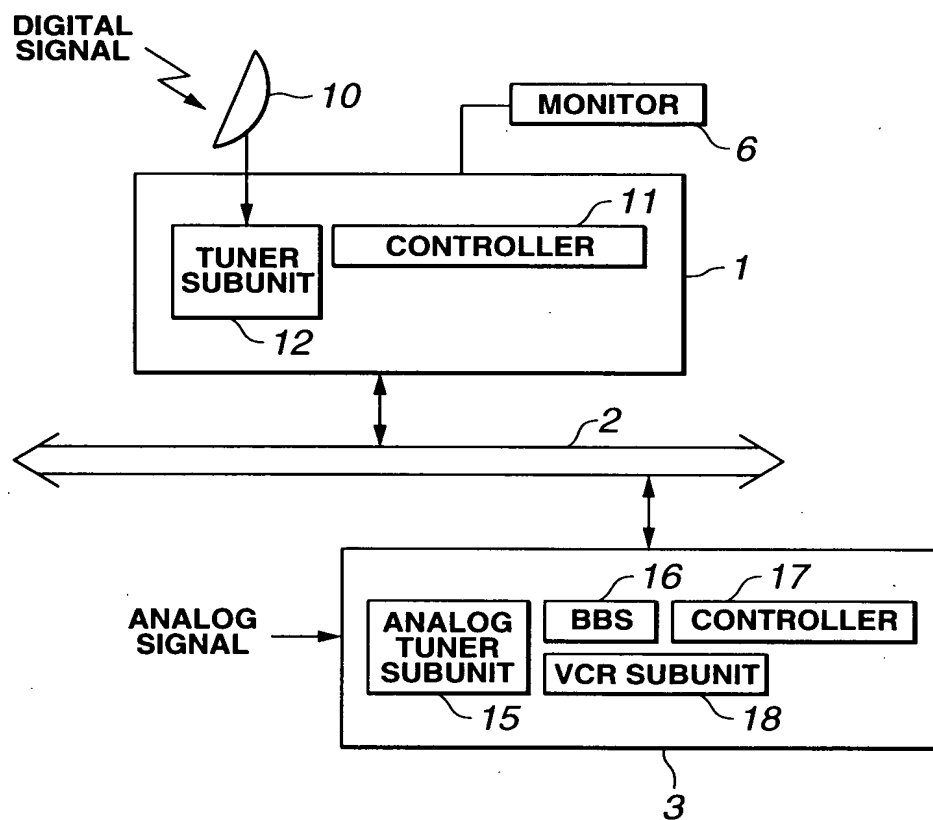


FIG.2

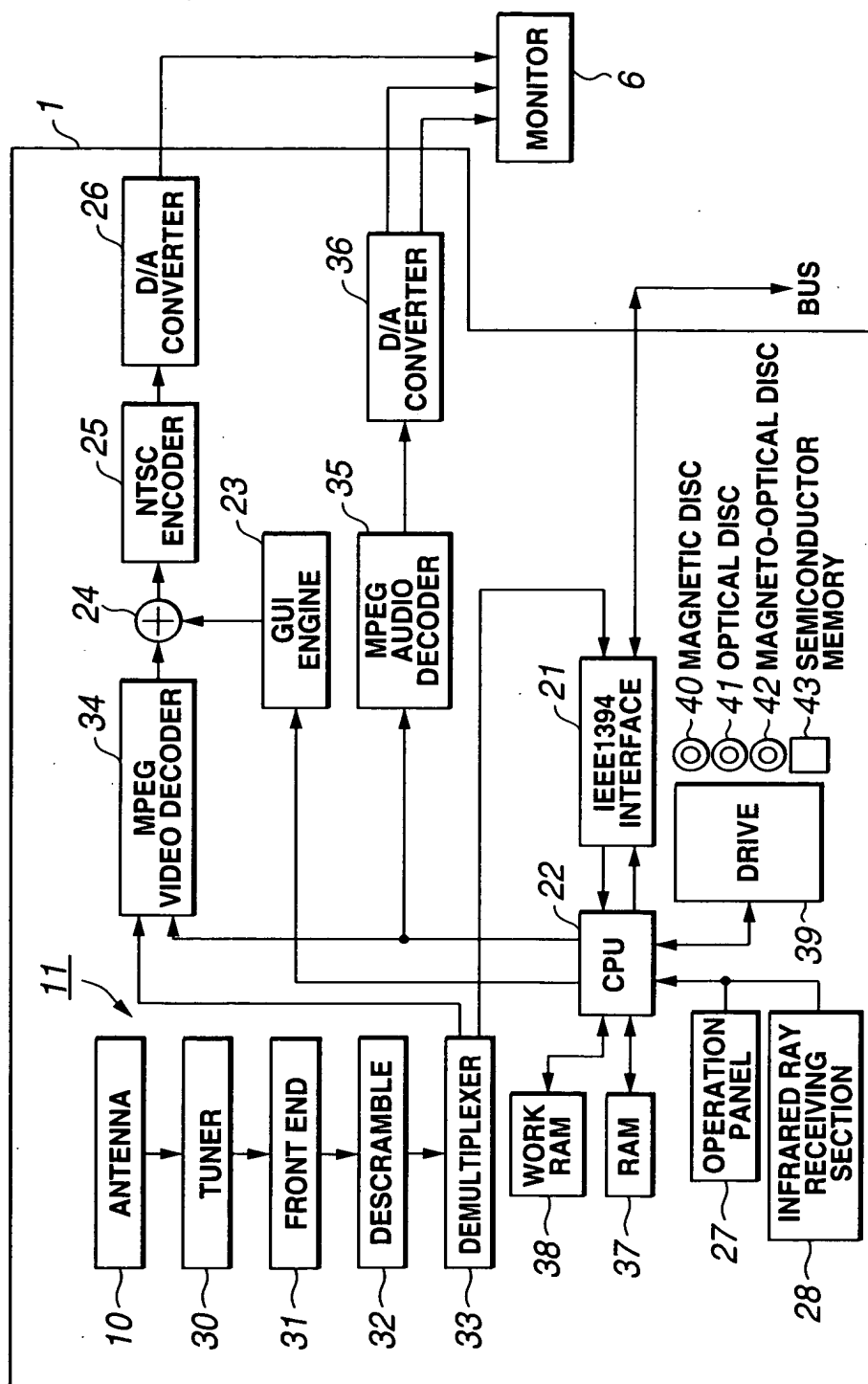


FIG.3

FIG.4

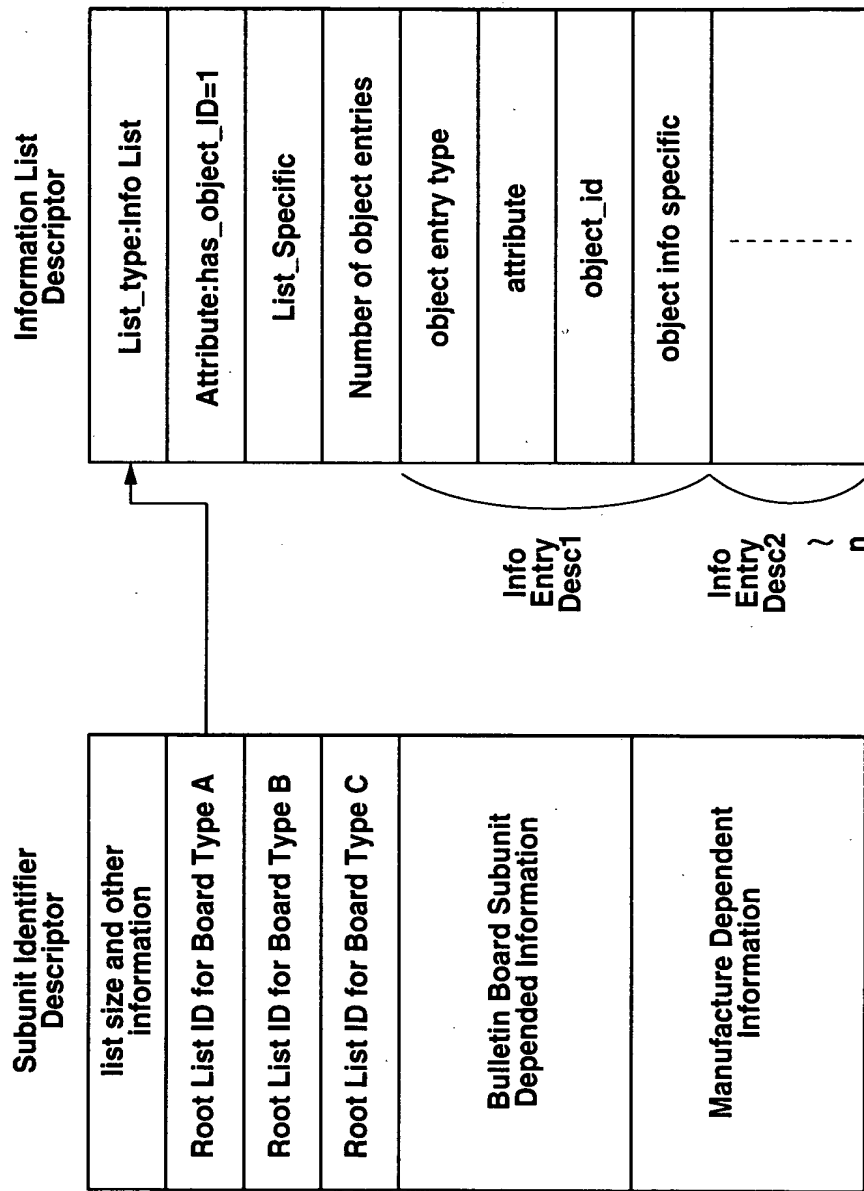


FIG.5

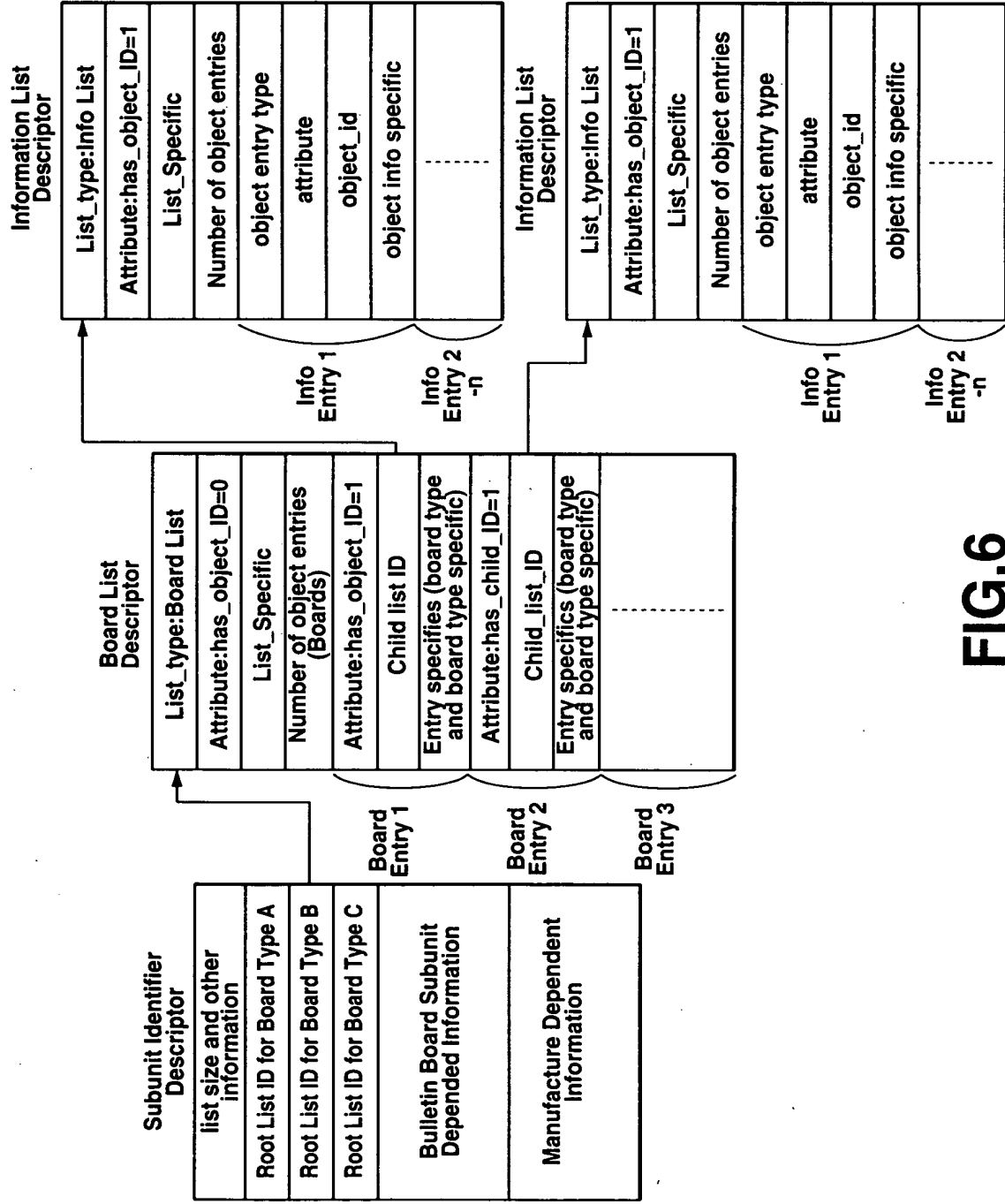


FIG.6

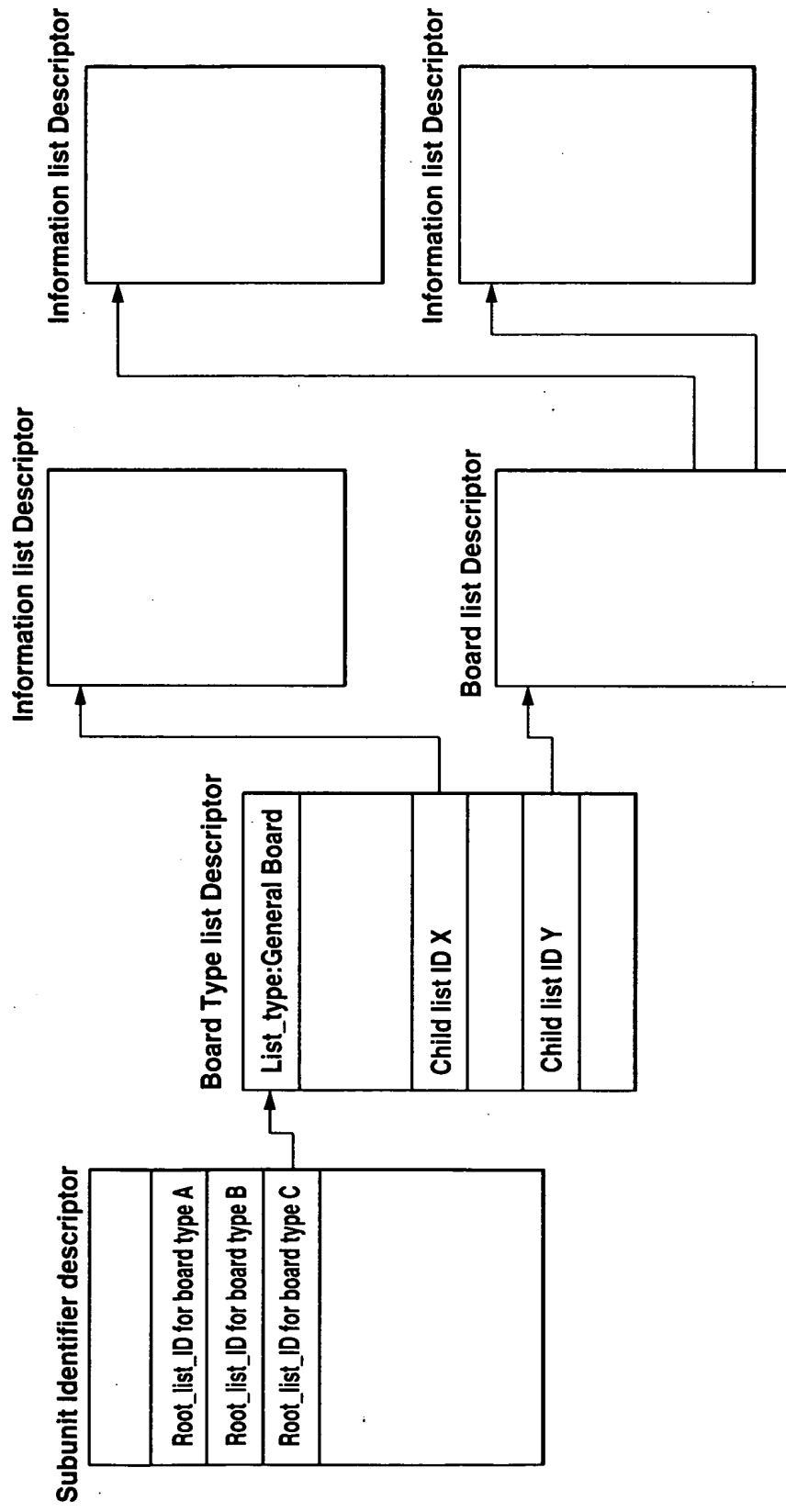


FIG.7

FIG. 8

Address_offset	Contents
00 00 ₁₆	descriptor_length
00 01 ₁₆	
00 02 ₁₆	list_type:Board Type List
00 03 ₁₆	attributes
00 04 ₁₆	size_of_list_specific_information
00 05 ₁₆	
00 06 ₁₆	list_specific_information
⋮	
⋮	
⋮	number_of_entries(n)
⋮	
00 00 ₁₆	descriptor_length
00 01 ₁₆	
00 02 ₁₆	entry_type(Board Type)
00 03 ₁₆	attributes
00 04 ₁₆	child_list_ID
00 05 ₁₆	(List ID OF Board Type TO BE ADDED ANEW)
00 06 ₁₆	size_of_entry_specific_information
00 07 ₁₆	
00 08 ₁₆	Board Type TO BE GENERATED
⋮	entry_specific_information
⋮	
⋮	
⋮	object_entry[n-1]
⋮	
⋮	
⋮	

OBJECT
ENTRY [0]
FOR
SPECIFYING
A GIVEN
BOARD TYPE

FIG.8

Address_offset	Contents
00 ₁₆	non_info_block_fields_length
01 ₁₆	
02 ₁₆	board_type
03 ₁₆	object_list_maximum_size
04 ₁₆	
05 ₁₆	object_entries_maximum_number
06 ₁₆	
07 ₁₆	board_type_dependent_information_length
08 ₁₆	
09 ₁₆	board_type_dependent_information
:	
:	
:	optional info blocks for future expansion
:	

FIG.9

FIG.10

Value	Entry type
00_{16} - $7F_{16}$	Reserved for general definitions
80_{16}	Bulletin Board
81_{16}	Information
82_{16} - FF_{16}	Reserved

FIG.11

Value	Board type
00_{16}	Reserved
01_{16}	Resource Schedule Board
02_{16} - FF_{16}	Reserved for future specification

FIG.12

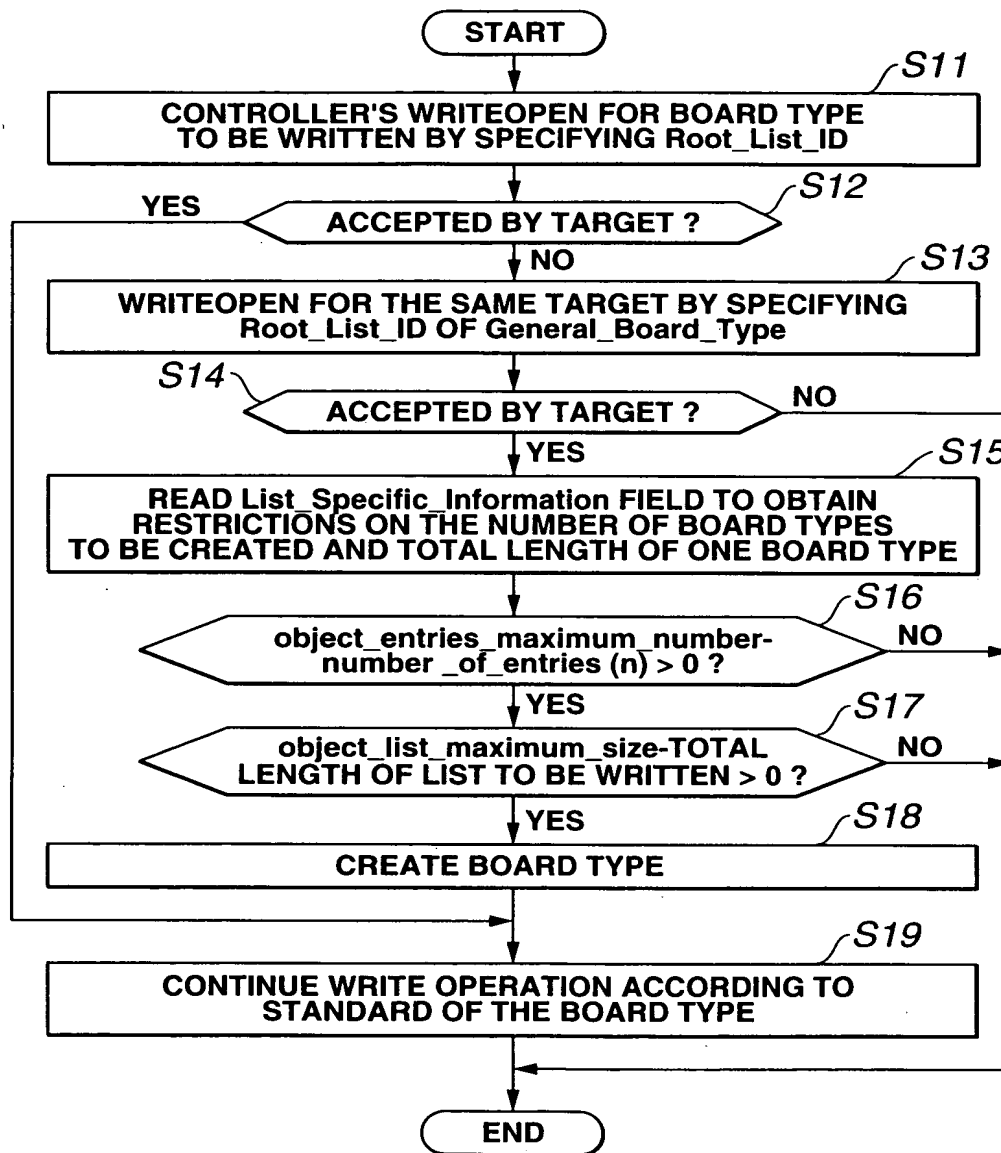


FIG.13

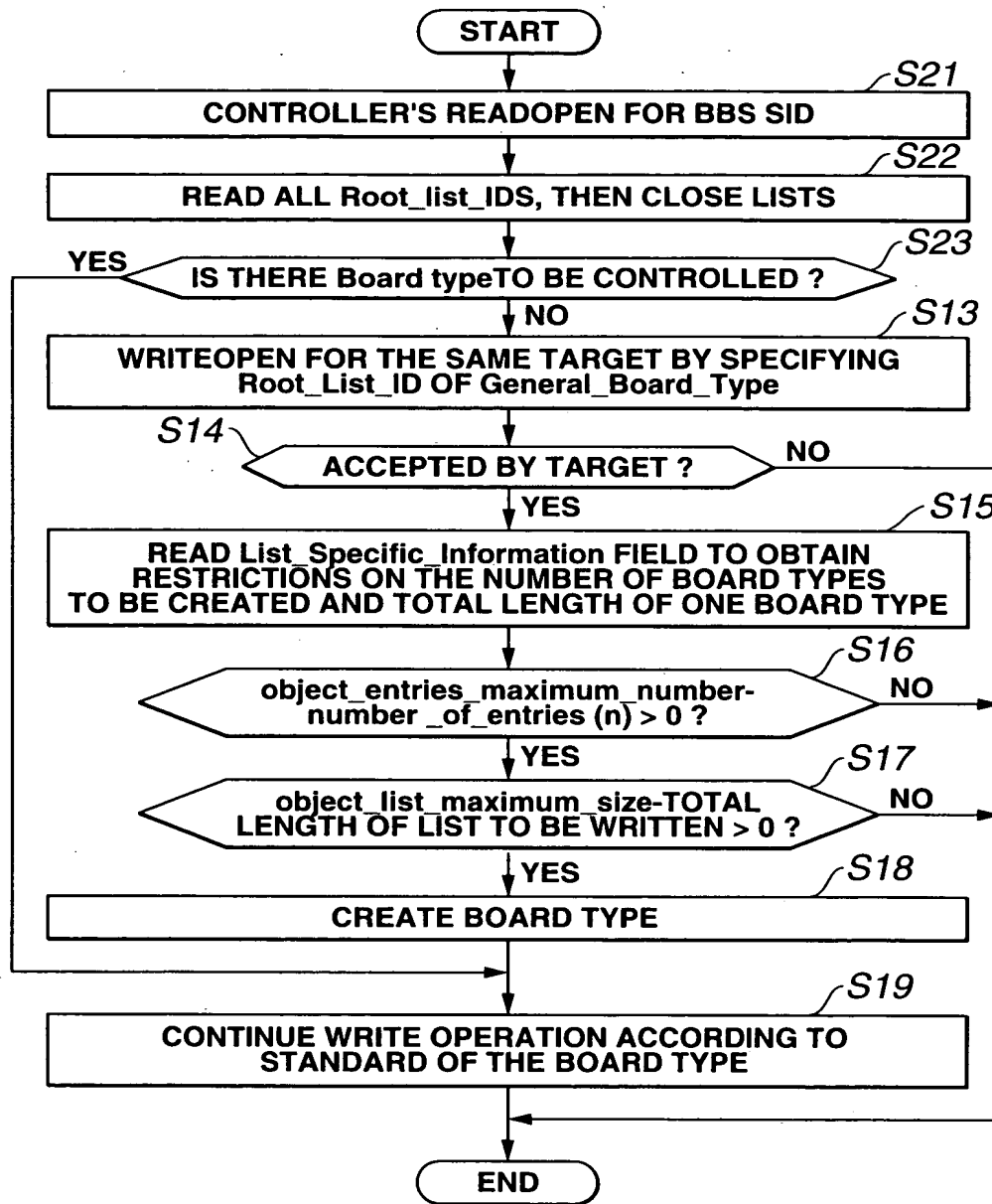


FIG.14

opcode	OPEN DESCRIPTOR
operand 0	descriptor_type
operand 1	List ID
operand 2	List ID
operand 3	subfunction WRITE OPEN
operand 4	reserved

FIG.15

	msb							lsb
opcode	READ DESCRIPTOR							
operand 0	descriptor identifier							
operand 1	:							
:	:							
:	read_result_status							
:	reserved							
:	data_length							
:	address							

FIG.16

FIG. 17

	msb						lsb
opcode	CREATE DESCRIPTOR						
operand[0]	result						
operand[1]	subfunction_1						
operand[2]	reserved						
operand[3]	subfunction_1_specification						
:							
:							

FIG.17

response frame type	value	result code name	meaning
ACCEPTED	00 ₁₆	success	Successful completion
	all other values		reserved for future specification
REJECTED	FF ₁₆	unknown	an unknown error occurred
	all other values		reserved for future specification

FIG.18

FIG. 19

subfunction_1_specification for subfunction_1=00 ₁₆								
	msb							lsb
operand[3]	descriptor_identifier_where							
	descriptor_identifier_what							

FIG.19

descriptor_type of descriptor_identifier_ where	descriptor_type of descriptor_identifier_ what	meaning
00 ₁₆	11 ₁₆	Create a root list
20 ₁₆	11 ₁₆	The list_type is specified by descriptor_identifier_what. Create a child list. Create a new list as a child or the object specified by descriptor_identifier_where. The new list_type is specified by descriptor_identifier_what.
20 ₁₆	22 ₁₆	Create an object. Create a new object and place it in the position specified by descriptor_identifier_where. The entry_type is specified by descriptor_identifier_what.
all other values		reserved for future specification.

FIG.20

FIG. 21

subfunction_1_specification for subfunction_1=01 ₁₆								
	msb							lsb
operand[3]	descriptor_identifier_where							
:								
:								
:	descriptor_identifier_what_1							
:								
:								
:	descriptor_identifier_what_2							
:								
:								

FIG.21

descriptor_type of descriptor_identifier_ where	descriptor_type of descriptor_identifier_ what_1	descriptor_type of descriptor_identifier_ what_2	meaning
20 ₁₆	22 ₁₆	11 ₁₆	Create an object and its child list. create the new object and place it in the location specified by where. The entry_type is specified by what_1. Also create a new list as the child of the new object. The list_type is specified by what_2.
all other values			reserved for future specification

FIG.22

opcode	OPEN DESCRIPTOR
operand 0	descriptor_type
operand 1	List ID
operand 2	List ID
operand 3	subfunction CLOSE
operand 4	reserved

FIG.23

CONTROLLER

TARGET

CREATE DESCRIPTOR

operand[0]=FF₁₆
 operand[1]=01₁₆ ← GENERATE an object entry WITH a child list
 operand[2]=FF₁₆
 operand[3]=descriptor type=20₁₆
 operand[4]=listID(MSB)
 operand[5]=listID(LSB)
 operand[6]=object position(MSB)
 operand[7]=object position(LSB)
 operand[8]=descriptor_type of descriptor_identifier_what_1=22₁₆
 operand[9]=Boare type entry AS AN object entry type
 operand[A]=descriptor_type of descriptor_identifier_what_2=11₁₆
 operand[B]=Information list (81₁₆) AS a list type

GENERATE A TEMPLATE
 OF THE Board type entry
 AT a SPECIFIED OBJECT
 LOCATION. GENERATE A
 TEMPLATE OF THE list
 type FOR THE SPECIFIED
 child list.

ACCEPTED
 WRITE DESCRIPTOR

WRITE A VALUE (RSB:01)
 OF THE Board type TO BE GENERATED
 TO AN ENTRY IN THE General Board AND
 THE Board type field IN THE ENTRY
 specific information.

OVERWRITE THE BOARD
 TYPE FIELD TO RSB.

ACCEPTED
 READ DESCRIPTOR

READ A child list ID field FOR
 THE INTERESTED entry IN THE
 General board.

child listID

ACCEPTED
 OPEN DESCRIPTOR

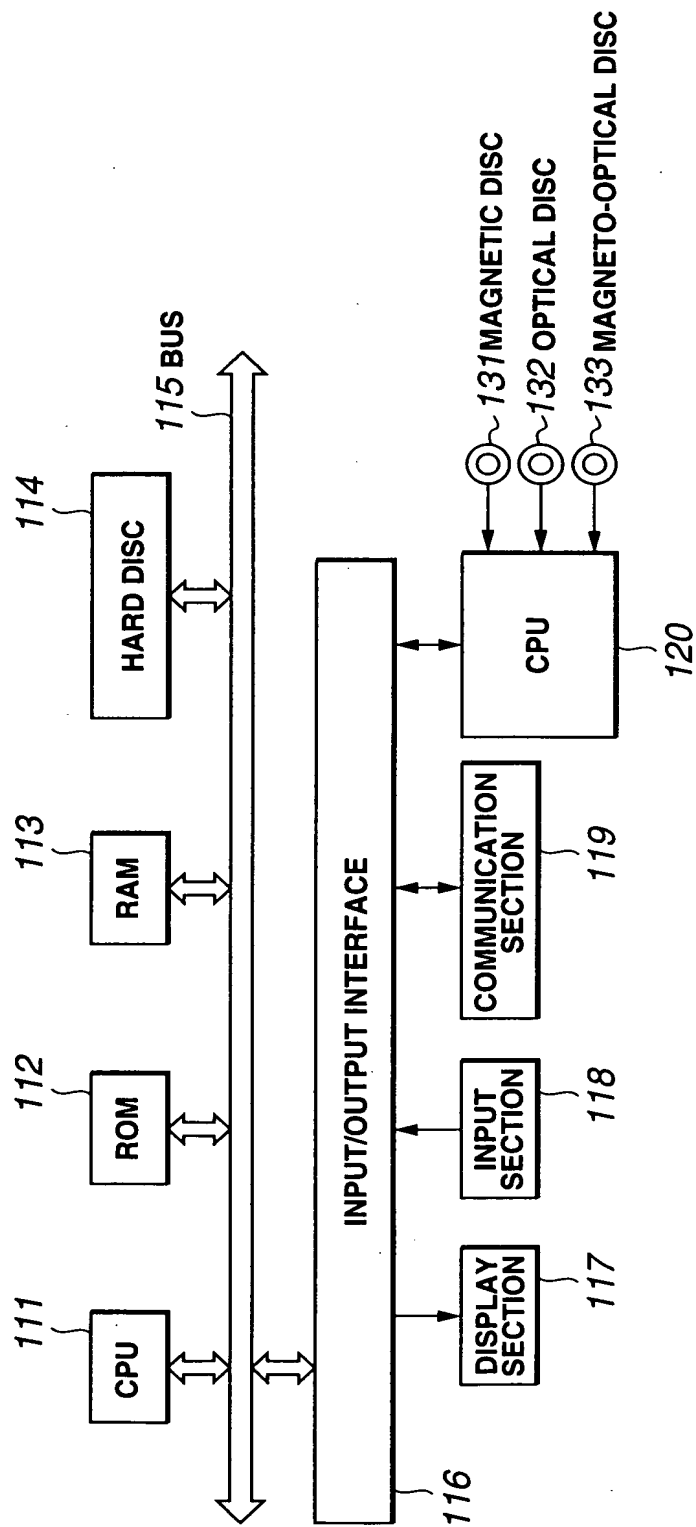
WRITE OPEN THE list GENERATED BY USING
 THE PREVIOUS Child list ID.

ACCEPTED
 WRITE DESCRIPTOR

SPECIFY THE board type field IN THE list
 specific information AND WRITE THE CREATED board type.

ACCEPTED

FIG.24



101

FIG.25